

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU2004/001754**

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. <sup>7</sup>: F28B 1/06, 9/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC (7): F28B 1/06, 9/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6755037 B2 (Engel et al.), 29 June 2004 Whole document	1-39
X	US 6644060 B1 (Dagan), 11 November 2003 Whole document	1-39
X	US 6343479 B1 (Meritt), 5 February 2002 Whole document	1-39
X	US 6251172 B1 (Conrad), 26 June 2001 Whole document	1-39

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

<p>* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
**29 March 2005**

Date of mailing of the international search report  
**01 APR 2005**

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6237352 B1 (Goodchild), 29 May 2001 Whole document	1-39
X	US 6182453 B1 (Forsberg), 6 February 2001 Whole document	1-39
X	US 6058718 B1 (Forsberg et al.), 9 May 2000 Whole document	1-39
X	US 5845504 A (LeBleu), 8 December 1998 Whole document	1-39
X	US 5669221 A (LeBleu et al.), 23 September 1997 Whole document	1-39
X	US 5259203 A (Engel et al.), 9 November 1993 Whole document	1-39
X	US 5149446 A (Reidy), 22 September 1992 Whole document	1-39
X	US 5106512 A (Reidy), 21 April 1992 Whole document	1-39

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## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-39. It is considered that claim 1 comprises a first "special technical feature" of obtaining potable water by condensing vapour from ambient air.
2. Claim 40-44. It is considered that claim 40 comprises a second special technical feature of treating water by inducing a spiral flow to the water and subjecting the water to ultraviolet light.

Since claims 1 and 40 share no special technical features, the claims lack unity *a priori*.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-39

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6755037	AU	2002368198	US	2004040322	WO	2004020919
US	6644060	AU	26866/00	EP	1257713	WO	0163059
US	6343479	NIL					
US	6251172	NIL					
US	6237352	AU	69082/00	US	2002069653	WO	0113053
US	6182453	AU	28003/97	BR	0101316	BR	9708616
		CA	2251095	CA	2341106	CN	1225715
		CN	1316571	EG	21410	EP	0891523
		EP	1142835	ID	16418	IL	126461
		US	5669221	US	5845504	US	6058718
		WO	9738272	ZA	9702974		
US	5259203	NIL					
US	5149446	US	5106512	US	5203989	WO	9213623
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							